



Montana Department of Transportation
PO Box 201001
Helena, MT 59620-1001

MEMORANDUM

To: See Distribution
From: Kevin Christensen, P.E.
Construction Engineer
Date: November 30, 2006
Subject: Supplemental Specification Revision: 710.02.3 Paint Coating Systems

The Construction Administration Services Bureau is proposing revisions to Standard Specification, 710.02.3. Following the Standard Specification Revision Process outlined in the Construction Engineer's Memorandum dated January 9, 2002 the following information is provided.

1. Standard Specification, 710.02.3 will be modified.
2. The Proposed Draft of the change is attached along with this memorandum.
3. Revision to the Standard Specification is needed to match the required material to Subsection 612.02.1 (urethane top coat rather than epoxy).
4. Those impacted by the change include:

Contractors, Materials Bureau, Construction Field Crews
5. The following individuals were consulted and/or involved in developing the proposed revisions:

MDT Materials Bureau, Paint manufacturers

*It is requested that written comments on **the proposed revisions only**, be returned to mdtspecifications@mt.gov no later than December 29 , 2006.*

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710.02.3 Paint Coating Systems for Structures

C. Finish Coat. Provide a [urethane paint](#) meeting Table 710-6 requirements.

**TABLE 710-6
STRUCTURES - FINISH COAT REQUIREMENTS**

	REQUIREMENT
Drying Time @ 50 °F (10 °C) To Touch Tack Free Cure	10 hours max. 24 hours max. 14 days max.
Pot Life @ 50 °F (10 °C)	10 hours min.
Abrasion Resistance (ASTM D 4060, CS-17 wheel, 1,000 cycles)	224 mg. max. loss
Impact Resistance	120 in. pounds. (6714 mm kg min.)

Additional requirements:

- 1. Salt Fog.** No blistering, softening, cracking or film delamination when tested under ASTM B 117 for 1,000 hours; and
- 2. Moisture Condensation Resistance.** No blistering, rusting or delamination when tested under ASTM D 2247 for 1,000 hours at 100 °F (37 °C).